

## AMENDMENTS TO THE SPECIFICATION

Please amend the title of the application as follows:

--ADJUSTABLE ROTATABLE ~~SPORTSBOARD~~ SPORTS BOARD BOOT BINDING--

Please amend the specification paragraph at page 1, lines 5-14 as follows:

--The present invention relates to bindings for ~~sportsboards~~ sports boards, and in particular to an adjustable rotatable binding which is adjustably configured to retrofit any of a variety of standard ~~sportsboard~~ sports board boot bindings, such as snowboards which is compatible for use in sky, ground, water, ice, and ski board sports and related extreme ~~sportsboards~~ sports boards including, for example, water and snow skis and boards, wakeboards, skateboards, surfboards, and sailboards, and skateboard-type devices adapted for use on ice surfaces, and which adjustable rotatable binding may be both locked in a stationary position marked by a rotation position indicator and locked in a free rotation condition and which has a safety rotation limit track which has two separate rotation ranges (0-90 degrees and 90-180 degrees).--

Please amend the specification paragraph at page 3, lines 10-23 as follows:

-- Prior art U.S. Patent #4,964,649, issued 10/23/90 to Chamberlin, shows a snowboard boot binder which allows the rider to rotate his boots while riding the snowboard. It has two base plates secured to the board and two plates with boot binders rotatably connected to the base plates. Springs between each rotating plate and each base plate limit relative motion therebetween and bias the rotating plates to return to the original angle of orientation after the rider rotates the plates. The Chamberlain patent does use ball bearings. The ~~Erb~~ Chamberlin patent does not have a secure screw-type up and down locking device, a retrofit capability, an elevated lock ring to prevent icing, a central guide post for ease of alignment during assembly, a positive engagement safety device to limit the degree of rotatability during free rotation, an easy grasp elevated L-shaped lock handle for use with gloves or mittens, or a rotation position indicator for use with the graduated increment sticker, or an L-handle leash hole and leash, or a top plate overhang to keep dirt out, or an inner grease ring to keep dirt out of the inner shaft, or a series of angle set screws.--

Please amend the specification paragraph at page 14, lines 1-20 as follows:

-- Prior art U.S. Patent #6,450,511, issued 9/17/2002 to LaVoy, shows a swivelable mount for the boot bindings of a snowboard or wakeboard or the like that includes a low profile top plate with a downwardly extending circular outer wall which screws down onto matching threads on the outer edge of a circular bottom plate, which attaches to a snowboard. The top plate provides an inner-facing threaded flange positioned opposite the outward-facing threaded surface of the bottom plate, and prevents upward movement of the top plate from the snowboard, thereby keeping the snowboard rider firmly attached to the snowboard. The two plate surfaces are slideable on each other when a spring pin, mounted to the top plate and extending through a hole in the bottom plate, is drawn upwardly, corresponding to an unlocked, rotatable condition of the top plate allowing the upper surface to rotate to another position as determined by the placement of the holes. When the spring-loaded pin is released, the pin engages the opposing bottom plate hole and prevents the top plate from rotating. The LaVoy patent does not have a secure screw-type up and down locking device, an elevated lock ring to prevent icing, a central guide post for ease of alignment during assembly, a positive engagement safety device to limit the degree of rotatability during free rotation, an easy grasp elevated L-shaped lock handle for use with gloves or mittens, or a rotation position indicator for use with the graduated increment sticker, or an L-handle leash hole and leash, ~~or a top plate overhang to keep dirt out,~~ or an inner grease ring to keep dirt out of the inner shaft, or a series of angle set screws.--

Please amend the specification paragraph at page 17, line 14 through page 18, line 9 as follows:

-- Prior art U.S. Patent #5,765,853, issued 6/16/1998 to Erb, concerns a snowboard binding that permits angular reorientation of a user's foot while maintaining that foot attached to the snowboard. A binding that attaches a user's foot to a snowboard includes a footplate that is rotatably and continuously fixed to the snowboard and which is attached to the user's foot via straps and a rear support which contact a snowboot. An anchor fixes the footplate to the snowboard with the bottom of the footplate as close to the snowboard as possible whereby the bottom of a

snowboarder's foot is as close to the plane of the snow as possible, and is slidably engaged with the footplate to permit that footplate to rotate while remaining attached to the snowboard. Anti-pivot spring pins located outside the outer perimeter of a user's snowboot accurately and ~~repeatable~~repeatably secure the footplate to the snowboard once the footplate is in the selected angular orientation on the snowboard. A top plate includes a plurality of pin-receiving holes defined therein for receiving the spring pins. The anchor includes a top plate, which is slidably connected to the footplate by an annular flange on the footplate fitted beneath an annular flange on the top plate. The Erb patent does not have a secure screw-type up and down locking device, an elevated lock ring to prevent icing, a central guide post for ease of alignment during assembly, a positive engagement safety device to limit the degree of rotatability during free rotation, an easy grasp elevated L-shaped lock handle for use with gloves or mittens, or a rotation position indicator for use with the graduated increment sticker, or an L-handle leash hole and leash, or a top plate overhang to keep dirt out, or an inner grease ring to keep dirt out of the inner shaft, or a series of angle set screws.--

Please amend the specification paragraph at page 21, lines 8-16 as follows:

-- A primary object of the present invention is to provide a rotatable board boot binding device which is compatible for use in sky, ground, water, ice, and ski board sports and related extreme sports and is preferably used with boards, skis, and comparable items including, for example, water and snow skis and boards, wakeboards, skateboards, surfboards, and sailboards, and skateboard-type devices adapted for use on ice surfaces[.], with adjustable means to receive any of a variety of differently sized and differently shaped board boots and bindings and hold the bindings to a rotatable plate with a secure fit to enable rough handling in operation but with a means for easily securing any of a variety of bindings to the rotatable plate and easily removing them.--

Please amend the specification paragraph at page 23, lines 22-24 as follows:

--Another object of the present invention is to provide a rotation position indicator for use ~~w/~~with a graduated sticker to allow the user to easily return to ~~their~~a desired angular setting.--

Please amend the specification paragraph at page 24, lines 18-20 as follows:

--A cap plate having similar mating holes and bolts or screws is screwed through the cap plate holes and into the top plate. The interlocking teeth between the cap plate and the binding keep the binding securely mounted to the top plate.[[.]]--

Please amend the specification paragraph at page 27, lines 10-11 as follows:

--A further advantage of the present invention is that it allows the user to easily return to ~~their~~ a desired angle.--

Please amend the specification paragraph at page 29, lines 2-12 as follows:

-- In FIGS. 1-9, the invention comprises a rotatable sports board boot binding device which is compatible for use in sky, ground, water, ice, and ski board sports and related extreme sports and is preferably used with boards, skis, and comparable items including, for example, water and snow skis and snowboards, wakeboards, skateboards, surfboards, and sailboards, and skateboard-type devices adapted for use on ice surfaces[[.]] and herein is illustrated by ~~adaption~~ adaptation to an existing snowboard. The rotatable sports board boot binding device has a pair of rigid plates which may be retrofit to a standard board 70 (shown dashed) and a standard board boot binding 60 (shown dashed). A base plate 50 is adapted to be secured to the board 70 with mating holes 53 in the bottom base plate to match the standard holes 73 in the board 70 secured together by screws or bolts [[( )]10[( )]] screwed into the board holes 73.--

Please amend the specification paragraph at page 29, lines 13-18 as follows:

-- In FIG. 1, the rotatable plate 30 is rotatably connected to the base plate by a cylindrical post 140 with an annular groove 145 extending downwardly from the rotatable plate 30 and the base plate 50 having a mating circular opening ~~51~~ for 51 for encircling the cylindrical post, and a C-shaped spring clip 146 for insertion in the annular groove 145 to hold the plates rotatably together. The C-shaped spring clip 146 is accommodated by a recessed groove 52 on the underside of the base plate around the center opening 51.--

Please amend the specification paragraph at page 30, lines 4-13 as follows:

--In FIGS. 1, 8 and 9, the rotatable board boot binding device has an L-shaped screw locking ~~mechanism~~ assembly 120 capable of locking in a down position (shown

in FIG. 8) engaging both the base plate 50 and the rotatable plate 30 with the end of the locking shaft 95 through one of the lock holes 59 in the base plate 50, so that the rotatable plate 30 is secured to the base plate 50 to prevent rotation therebetween with the boot binding stationary at a desired angle of orientation to the board. L-shaped screw locking ~~mechanism~~ assembly 120 is further capable of locking in an up position (shown in FIG. 9) free of the base plate 50 to allow rotation between the rotatable plate 30 and the base plate 50 so that the board boot binding 60 is rotatable relative to the board 70 without holding the locking ~~means~~ assembly 120 in an elevated position.--

Please amend the specification paragraph at page 30, lines 14-24 as follows:

--In FIGS. 8 and 9, ~~the locking base~~ assembly 120 comprises a solid sleeve 123 having an angled top rim with a notch opening 124 in a top of the angled rim and a V-configuration 126 at the bottom of the angled rim. The notch opening 124 comprises the upper shaft engaging means and the V-configuration 126 comprises the lower shaft engaging means and at least one lateral protrusion of the locking shaft comprises an L-shaped handle 122 with a flag-like arm 121 protruding laterally from the locking shaft, the arm 121 of the L-shaped handle capable of being secured alternately in the V-configuration 126, as seen in FIG. 8 with the locking shaft 95 engaged in one of the lock holes 59 of the base plate 50, and 5 slid upwardly along the angled rim and rotated 180 degrees in the notch opening 124 with the locking shaft 95 disengaged from the base plate 50 and the rotatable plate 30 free to rotate, as seen in FIG. 9.--

Please amend the specification paragraph at page 31, lines 4-25 as follows:

--In FIGS. 1-3, a safety ~~means~~ device is incorporated in the base plate and the rotatable plate to limit the degree of relative rotation therebetween to permit the board boot to turn within a safe limit and prevent the board boot from turning beyond the safe limit. One of the pair of rigid plates has a groove 58, shown in the base plate 50, therein in the shape of an arc of a circle of preferably 180 degrees and the other of the pair of the rigid plates has a mating pin 18, shown in the rotatable plate 30, protruding downwardly therefrom, the pin 18 engaging the groove 58 and thereby limiting the degree of relative rotation of the rigid plates. A movable stop 200 is positionable within a slot 204 running transversely to the groove to divide the groove into at least

two smaller arcs. The movable stop 200 is held by a spring 203 with a stop ridge 202 blocking the groove 58 thereby dividing the groove 58 into two smaller arcs, preferably of about 90 degrees each, so that the pin 18 is limited to rotating within a first smaller arc and alternately with the movable stop 200 moved by pushing in to displace the stop ridge 202 to allow the pin to relocate into a second smaller arc with the movable stop 200 repositioned with the stop ridge 202 in the groove so that the pin is limited to rotating within the ~~at least one~~ second smaller arc. The groove 58 is preferably cut through the plate and the pin 18 may be formed with the other plate or welded or bolted on or otherwise attached. This safety feature prevents over-extension of the knee and ankle which might occur if the boot rotated too far. This permits a safe limit of free rotation of the boot while going downhill or performing any other activity. It also allows the rental companies the ability to change angles and basic foot orientation (0-90 or 90-180 degrees) for various riders very quickly and with relative ease.--

Please amend the specification paragraph at page 32, lines 6-8 as follows:

--In FIG. 1, a rotation position indicator pointer ~~means~~ 500 preferably on the sleeve 123 of ~~the locking base assembly 120~~ on the rotatable plate 30 capable of being used with a graduated sticker ~~means~~ 501 on the board 70 to indicate the degree of rotation of the rotatable plate.--

Please amend the specification paragraph at page 32, lines 9-12 as follows:

--In FIG. 1, a cord ~~means~~, such as a flexible cord 300 having a hand grip or leg strap such as a top end loop 303 may be attached by a bottom hook 302 to a top ring 301 ~~means~~ for attaching the cord on the locking shaft, so that the cord ~~means~~ is capable of being grasped by a user to operate ~~the locking means assembly 120~~ from a standing position.--

Please amend the specification paragraph at page 33, lines 7-18 as follows:

-- Although the present invention has been described in terms of the presently preferred embodiment for a snowboard, it is to be understood that such disclosure is purely illustrative and is not to be interpreted as limiting. Consequently, without departing from the spirit and scope of the invention, various alterations, modifications, and/or alternative applications of the invention will, no doubt, be

suggested to those skilled in the art after having read the preceding disclosure. Accordingly, it is intended that the following claims be interpreted as encompassing all alterations, modifications, or alternative applications as fall within the true spirit and scope of the invention which is compatible for use in sky, ground, water, ice, and ski board sports and related extreme sports and preferably used with boards, skis, and comparable items including, for example, water and snow skis and snowboards, wakeboards, skateboards, surfboards, and sailboards, and skateboard-type devices adapted for use on ice surfaces.[[.]]--

Please amend the Abstract of the Disclosure as follows:

--A base plate with a ring of holes is secured to any existing sports board. A flat rotatable plate, supporting a board boot binding, has a two-position spring-loaded locking shaft which locks down in one of the holes to secure the boot binding at a desired stationary angle and alternately locks up out of the holes for free rotation. A semicircular arc in one plate dividable into two smaller arcs by a movable stop limits rotation of a safety pin from the other plate alternately to one or the other of the smaller arcs. A downwardly extending ridge around the periphery of the rotatable plate overlaps the base plate. There is a low friction surface between the two plates, an inner grease ring to keep dirt out of the inner shaft, a leash hole and leash on the L-shaped locking mechanism to aid in ~~it's~~its operation, and a rotatable position indicator that aids the user in locating their desired angular position, an elevated lock ring to prevent icing or water buildup in the locking holes, and a series of holes in the base plate that allow the user to preset the amount of desired rotation between the plates.--